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A.D. 1874, 23rd April. N° 1417.

Cleansing Tin or Terne Plates.

(*This Invention received Provisional Protection only.*)

PROVISIONAL SPECIFICATION left by Daniel Edwards, Philip Jones, and David Davies at the Office of the Commissioners of Patents, with their Petition, on the 23rd April 1874.

We, DANIEL EDWARDS, PHILIP JONES, and DAVID DAVIES, all of Morriston, near Swansea, in the County of Glamorgan, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN MEANS OR APPARATUS FOR CLEANSING TIN OR TERNE PLATES," to be as follows:—

The process of cleansing the surfaces of tin or terne plates from grease and oil after they have undergone the coating process is usually effected by hand, and the Invention relates to mechanical means for effecting it. For this purpose the bran, or sharps, or other substances employed as the cleansing medium, is fed by a hopper or feed means to rubbers which have sliding motion given to them, and are formed with holes inclined or otherwise to facilitate the passage of the cleansing media through to the surfaces of the plates to be cleansed, and thence to a receiver for it. The plates to be cleansed are fed to or placed between these rubbers, and are by them conducted to between pairs of rollers. The first pair of these rollers is covered with chamois leather,

sheepskin, india-rubber, or other suitable substance. The second pair are called brushes, and are covered with sheepskin or other suitable soft material, and so on, the third and each alternate pair of rollers being formed like the first pair, and the fourth pair and each succeeding alternate pair like the second pair of rollers. The last pair of rollers of the series employed conducting the plates to a barrow or other suitable receptacle.

We find a speed of about twenty revolutions a minute to the first and succeeding alternate pair of rollers, and of about eightly revolutions per minute to the second and succeeding alternate pair of rollers to answer well, but these speeds and the relation of them may be varied.

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